



Brochure Precision Wrinkle Analysis with Real-Time instant Visual Feedback





8tree

WHAT IS IT?

waveCHECK is a handheld-portable 3D-inspection tool for wind turbine blade manufacturing and quality inspection. The user-centric design allows for quick deployment in existing workflows. Non-contact precision optical measurement that revolutionizes blade inspection.



LEADING EDGE SCANNING WITH waveCHECK



RESULTS ARE PROJECTED DIRECTLY ON TO THE BLADE

WHAT CAN IT DETECT?

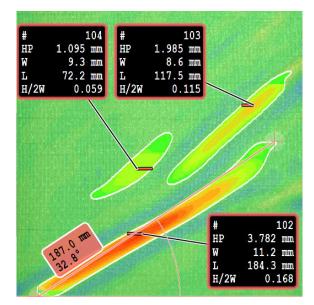
Detects & displays -

- Positive, Negative & Step wrinkles
- Highest point; shortest distance to edge, aspect ratio (H/2*W)
- Angle of wrinkle with respect to main fiber direction (0°-direction)
- Works on carbon and glass fiber surfaces, painted and unpainted.

SPECIFICATION & PERFORMANCE?

Actionable Results ~ 2 seconds	
Resolution	250 μm lateral, <100 μm out of plane
Battery Life	4.5 hours
Weight	4 kg
Field of View	18 x 32 cm (scalable)

- Industry-leading Repeatability & Accuracy
- No Subjectivity Take out the Guess Work!
- Sets the Benchmark for Gage R&R Scores
- Quality & Consistency unattainable by Traditional Methods (e.g. Comb Gauge)
- Enjoy the Simplicity of a Camera & the Accuracy of a Scientific Instrument



EXTRACT OF A WRINKLE INSPECTION REPORT